



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: **Dimpsey et al.**

Serial No.: **10/806,576**

Filed: **March 22, 2004**

For: **Method and Apparatus for
Hardware Assistance for Data Access
Coverage**

35525

PATENT TRADEMARK OFFICE
CUSTOMER NUMBER

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Group Art Unit: **2188**

Examiner: **Padmanabhan, Mano**

Attorney Docket No.: **AUS920040061US1**

Certificate of Mailing Under 37 C.F.R. § 1.8(a)

I hereby certify this correspondence is being deposited with the United States Postal Service as First Class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

June 27 2005

By:

Jennifer Pilcher
Jennifer Pilcher

TRANSMITTAL DOCUMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

ENCLOSED HEREWITH:

- Information Disclosure Statement;
- Form PTO-1449;
- References BH-CM; and
- Our return postcard.

No fees are believed to be necessary. If, however, any fees are required, I authorize the Commissioner to charge these fees which may be required to Deposit Account No. 09-0447. No extension of time is believed to be necessary. If, however, an extension of time is required, the extension is requested, and I authorize the Commissioner to charge any fees for this extension to Deposit Account No. 09-0447.

Respectfully submitted,

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INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants request that the information listed on the attached Form PTO-1449 be considered by the Office during the pendency of the above entitled application, pursuant to 37 C.F.R. 1.97.


Please charge any fees necessary for prosecution of the present application to Deposit Account No. 09-0447. If any extension of time is required, such extension is hereby requested. Please charge any additional required fee for extension of time to Deposit Account No. 09-0447.

In accordance with 37 C.F.R. 1.97(h), the filing of this Information Disclosure Statement shall not constitute an admission that any information cited therein is, or is considered to be, material to patentability as defined in 37 C.F.R. 1.56(b). In the interest of full and complete disclosure to the Office, some or all of the art cited herein may not be considered by Applicant(s) or the Undersigned to be material under the new standards of materiality defined in 37 C.F.R. 1.56(b), enacted March 16, 1992, but may be material under the old standard of materiality defined in 37 C.F.R. 1.56(a), last amended on November 28, 1988, or may merely be technical background which may be of interest to the Examiner. In accordance with 37 C.F.R. 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made.


This Information Disclosure Statement is being filed under 37 C.F.R. § 1.97(b) within three months of the filing date of the application, or before the mailing date of a first office action on the merits. No fee is required.

Date: 6/21/03

Respectfully submitted,



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Form PTO-1449 LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i>			ATTORNEY DOCKET NO. AUS920040061US1		SERIAL NO. 10/806,576	
			APPLICANT Dimpsey et al.			
			FILING DATE March 22, 2004		GROUP ART UNIT 2188	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME	CLASS/ SUBCLASS	FILING DATE	
	AA	5,103,394	Apr. 7, 1992	Blasciak	395/575	
	AB	6,330,662 B1	Dec. 11, 2001	Patel et al.	712/236	
	AC	6,480,938 B2	Nov. 12, 2002	Vondran, Jr.	711/125	
	AD	6,430,741 B1	Aug. 6, 2002	Mattson, Jr. et al.	717/154	
	AE	6,189,141 B1	Feb. 13, 2001	Benitez et al.	717/4	
	AF	5,930,508	Jul. 27, 1999	Faraboschi et al.	395/706	
	AG	6,351,844 B1	Feb. 26, 2002	Bala	717/4	
	AH	6,324,689 B1	Nov. 27, 2001	Lowney et al.	717/9	
	AI	6,442,585 B1	Aug. 27, 2002	Dean et al.	709/108	
	AJ	5,774,724	Jun. 30, 1998	Heisch	395/704	
	AK	5,987,250	Nov. 16, 1999	Subrahmanyam	395/704	
	AL	6,192,513 B1	Feb. 20, 2001	Subrahmanyam	717/5	
	AM	5,691,920	Nov. 25, 1997	Levine et al.	364/551.01	
	AN	6,223,338 B1	Apr. 24, 2001	Smolders	717/4	
	AO	6,101,524	Aug. 8, 2000	Choi et al.	709/102	
	AP	6,256,775 B1	Jul. 3, 2001	Flynn	717/4	
	AQ	6,446,029 B1	Sep. 3, 2002	Davidson et al.	702/186	
	AR	6,134,676	Oct. 17, 2000	VanHuben et al.	714/39	
	AS	5,937,437	Aug. 10, 1999	Roth et al.	711/202	
	AT	6,243,804 B1	Jun. 5, 2001	Cheng	712/228	
	AU	4,291,371	Sep. 22, 1981	Holtey	364/200	
	AV	5,938,778	Aug. 17, 1999	John, Jr. et al.	714/45	
	AW	6,286,132 B1	Sep. 4, 2001	Tanaka et al.	717/4	
	AX	6,206,584 B1	Mar. 27, 2001	Hastings	395/183.11	
	AY	6,374,364 B1	Apr. 16, 2002	McElroy et al.	714/10	
	AZ	6,070,009	May 30, 2000	Dean et al.	395/704	
	BA	5,966,537	Oct. 12, 1999	Ravichandran	395/709	
DATE CONSIDERED			EXAMINER			
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP § 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						

Form PTO-1449			ATTORNEY DOCKET NO. AUS920040061US1		SERIAL NO. 10/806,576	
LIST OF PRIOR ART CITED BY APPLICANT (Use several sheets if necessary)						
			APPLICANT Dimpsey et al.			
			FILING DATE March 22, 2004		GROUP ART UNIT 2188	
U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	INVENTOR NAME		CLASS/ SUBCLASS	FILING DATE
	BB	2002/0129309	Sep. 12, 2002 Floyd et al.		714/724	Dec. 18, 2000
	BC	2001/0032305	Oct. 18, 2001 Barry		712/34	Feb. 23, 2001
	BD	2002/0199179	Dec. 26, 2002 Lavery et al.		717/158	Jun. 21, 2001
	BE	2002/0124237	Sep. 5, 2002 Sprunt et al.		717/127	Dec. 29, 2000
	BF	2002/0147965	Oct. 10, 2002 Swaine et al.		717/124	Feb. 1, 2001
	BG	2002/0019976	Feb. 14, 2002 Patel et al.		717/137	May 25, 2001
FOREIGN PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	PUBLICATION DATE	COUNTRY		CLASS/ SUBCLASS	TRANSLATION YES NO
	BH	JP2000029731	Dec. 8, 1999 Japan		G06F 9/38	X
	BI	JP2000347863	Dec. 15, 2000 Japan		G06F 9/38	X
OTHER PRIOR ART (including author, title, date, pertinent page, etc.)						
	BJ	Kikuchi, "Parallelization Assist System", Joho Shori, Vol. 34, No. 9, Sept. 1993, pp. 1158-1169.				
	BK	Cohen et al., "Hardware-Assisted Characterization of NAS Benchmarks", Cluster Computing, Vol. 4, No. 3, July 2001, pp. 189-196.				
	BL	Talla et al., "Evaluating Signal Processing and Multimedia Applications on SIMD, VLIW and Super Scalar Architectures", International Conference on Computer Design, Austin, Sept. 17-20, 2000, pp. 163-172.				
	BM	Iwasawa et al., "Parallelization Method of Fortran DO Loops by Parallelizing Assist System", Transactions of Information Processings Society of Japan, Vol. 36, No. 8, Aug. 1995, pp. 1995-2006.				
	BN	Talla et al., "Execution Characteristics of Multimedia Applications on a Pentium II Processor", IEEE International Performance, Computing, and Communications Conference, 19 th , Phoenix, Feb. 20-22, 2000, pp. 516-524.				
	BO	IBM Research Disclosure Bulletin 444188, "Enable Debuggers as an Objective Performance Measurement Tool for Software Development Cost Reduction", April 2001, pp. 686-688.				
RELATED PATENT APPLICATIONS						
EXAMINER INITIAL		APPLICATION NO./ ATTY. DOCKET NO.	APPLICANT	TITLE		FILING DATE
	BP	09/435,069 AT9-99-491	Davidson et al.	Method and Apparatus for Instruction Sampling for Performance Monitoring and Debug		Nov. 4, 1999
	BQ	08/538,071 AUT919950055US1	Gover et al.	Method and System for Selecting and Distinguishing an Event Sequence using an Effective Address in a Processing System		Oct. 2, 1995
DATE CONSIDERED			EXAMINER			
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RELATED PATENT APPLICATIONS					
EXAMINER INITIAL	APPLICANT NO./ ATTY. DOCKET NO.	APPLICANT	TITLE	FILING DATE	
	BR 10/675,777 / AUS920030477US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Instruction Execution and Data Accesses	Sep. 30, 2003	
	BS 10/674,604 / AUS920030478US1	DeWitt, Jr. et al.	Method and Apparatus for Selectively Counting Instructions and Data Accesses	Sep. 30, 2003	
	BT 10/675,831 / AUS920030479US1	DeWitt, Jr. et al.	Method and Apparatus for Generating Interrupts Upon Execution of Marked Instructions and Upon Access to Marked Memory Locations	Sep. 30, 2003	
	BU 10/675,778 / AUS920030480US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Data Accesses and Instruction Executions that Exceed a Threshold	Sep. 30, 2003	
	BV 10/675,776 / AUS920030481US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Execution of Specific Instructions and Accesses to Specific Data Locations	Sep. 30, 2003	
	BW 10/675,751 / AUS920030482US1	DeWitt, Jr. et al.	Method and Apparatus for Debug Support for Individual Instructions and Memory Locations	Sep. 30, 2003	
	BX 10/675,721 / AUS920030483US1	Levine et al.	Method and Apparatus to Autonomically Select Instructions for Selective Counting	Sep. 30, 2003	
	BY 10/674,642 / AUS920030484US1	Levine et al.	Method and Apparatus to Autonomically Count Instruction Execution for Applications	Sep. 30, 2003	
	BZ 10/674,606 / AUS920030485US1	Levine et al.	Method and Apparatus to Autonomically Take an Execution on Specified Instructions	Sep. 30, 2003	
	CA 10/675,783 / AUS920030486US1	Levine et al.	Method and Apparatus to Autonomically Profile Applications	Sep. 30, 2003	
	CB 10/675,872 / AUS920030487US1	DeWitt, Jr. et al.	Method and Apparatus for Counting Instruction and Memory Location Ranges	Sep. 30, 2003	
	CC 10/757,250 / AUS920030488US1	Levine et al.	Method and Apparatus for Maintaining Performance Monitoring Structures in a Page Table for use in Monitoring Performance of a Computer Program	Jan. 14, 2004	
	CD 10/757,192 / AUS920030543US1	DeWitt, Jr. et al.	Method and Apparatus for Providing Pre and Post Handlers for Recording Events	Jan. 14, 2004	
	CE 10/757,192 / AUS920030548US1	DeWitt, Jr. et al.	Method and Apparatus for Determining Computer Program Flows Autonomically Using Hardware Assisted Thread Stack Tracking and Cataloged Symbolic Data	March 18, 2004	
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RELATED PATENT APPLICATIONS					
EXAMINER INITIAL		APPLICATION NO./ ATTY. DOCKET NO.	APPLICANT	TITLE	FILING DATE
	CF	10/757,227 / AUS920030555US1	DeWitt, Jr. et al.	Method and Apparatus for Autonomically Moving Cache Entries to Dedicated Storage when False Cache Line Sharing is Detected	Jan. 14, 2004
	CG	10/757,197 / AUS920030556US1	DeWitt, Jr. et al.	Method and Apparatus for Optimizing Code Execution Using Annotated Trace Information having Performance Indicator and Counter Information	Jan. 14, 2004
	CH	10/807,094 / AUS920040059US1	Dimpsey et al.	Method and Apparatus for Providing Hardware Assistance for Code Coverage	Mar. 22, 2004
	CI	10/808,716 / AUS920040060US1	Dimpsey et al.	Method and Apparatus for Autonomic Test Case Feedback Using Hardware Assistance for Code Coverage	Mar. 22, 2004
	CJ	10/806,633 / AUS920040062US1	Dimpsey et al.	Method and Apparatus for Providing Hardware Assistance for Data Access Coverage on Dynamically Allocated Data	Mar. 22, 2004
	CK	10/806,917 / AUS920040063US1	Dimpsey et al.	Method and Apparatus for Automatic Test Case Feedback Using Hardware Assistance for Data Coverage	Mar. 22, 2004
	CL	10/806,871 / AUS920040064US1	Dimpsey et al.	Method and Apparatus for Hardware Assistance for Prefetching Data	Mar. 22, 2004
	CM	10/806,866 / AUS920040065US1	Dimpsey et al.	Method and Apparatus for Prefetching Data from a Data Structure	Mar. 22, 2004
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